

AMENDMENTS TO THE CLAIMS

(IN FORMAT COMPLIANT WITH THE REVISED 37 CFR 1.121)

1 (CURRENTLY AMENDED) A system comprising:

a bus;

at least one master configured to present at least one transfer signal; and

5 a first circuit coupled between said bus and said at least one master, said first circuit configured to (i) grant a bus mastership to a first master of said at least one master, (ii) present a first transfer signal of said at least one transfer signal received from said first master to said bus in response to  
10 granting said bus mastership to said first master, wherein said first transfer signal is different than an idle transfer signal, (iii) remove said bus mastership from all masters of said at least one master, and (iv) present ~~an~~ said idle transfer signal to said bus in response to removing said bus mastership from said all  
15 masters.

2. (ORIGINAL) The system according to claim 1, wherein

(i) said first circuit is further configured to detect when zero masters of said at least one master are able to use said bus and  
(ii) removing said bus mastership from said all masters is done in

5 response to detecting when said zero masters are able to use said bus.

3. (ORIGINAL) The system according to claim 2, wherein detecting when said zero masters are able to use said bus is detecting when each of said at least one master is simultaneously involved in a split response.

4. (ORIGINAL) The system according to claim 2, wherein detecting when said zero masters are able to use said bus is detecting when said first master has locked said bus mastership and said first master is involved in a split response.

5 5. (ORIGINAL) The system according to claim 2, wherein detecting when said zero masters are able to use said bus is detecting when said first master is involved in a split response and no other masters of said at least one master is requesting said bus mastership.

6. (ORIGINAL) The system according to claim 2, wherein detecting when said zero masters are able to use said bus is detecting when none of said at least one master is requesting said bus mastership.

7. (ORIGINAL) The system according to claim 1, wherein said at least one master is a plurality of masters.

8. (ORIGINAL) The system according to claim 7, wherein said first circuit comprises:

an arbiter configured to present a master signal identifying said first master of said plurality of masters; and

5 a second circuit configured to multiplex a plurality of said at least one transfer signals received from said plurality of masters responsive to said master signal to present said first transfer signal to said bus.

9. (ORIGINAL) The system according to claim 8, wherein (i) said arbiter is further configured to present a control signal and (ii) said second circuit is further configured to present one of said first transfer signal and said idle transfer signal to said  
5 bus responsive to said control signal.

10. (CURRENTLY AMENDED) The system according to claim 9, wherein said first circuit is further configured to detect when (i)(a) said all masters are simultaneously involved in a split response, (i)(b) said first master has locked said bus mastership  
5 and is involved in a split response, (i)(c) said first master is involved in said split response ~~an~~ and no other master of said at

least one master is requesting said bus mastership, and (i) (d) none  
of said at least one master is requesting said bus mastership, and  
(ii) removing said bus mastership from said all masters is  
10 performed in response to detecting at least one of (i) (a), (i) (b),  
(i) (c) and (i) (d).

11. (CURRENTLY AMENDED) A method of operating a bus  
comprising the steps of:

(A) granting a bus mastership to a first master of at  
least one master;

5 (B) presenting a first transfer signal of at least one  
transfer signal ~~from~~ generated by said first master to said bus in  
response to step (A), wherein said first transfer signal is  
different than an idle transfer signal;

(C) removing said bus mastership from all masters of  
10 said at least one master; and

(D) presenting ~~an~~ said idle transfer signal to said bus  
in response to step (C).

12. (ORIGINAL) The method according to claim 11, further  
comprising the step of detecting when zero masters of said at least  
one master are able to use said bus, wherein said removing said bus  
mastership of step (A) is performed in response to detecting said  
5 zero masters are able to use said bus.

13. (ORIGINAL) The method according to claim 12, wherein said detecting when said zero masters are able to use said bus is detecting when said all masters are simultaneously involved in a split response.

14. (ORIGINAL) The method according to claim 12, wherein said detecting when said zero masters are able to use said bus is detecting when said first master has locked said bus mastership and is involved in a split response.

15. (ORIGINAL) The method according to claim 12, wherein said detecting when said zero masters are able to use said bus is detecting when said first master is involved in a split response and no other master of said at least one master is requesting said  
5 bus mastership.

16. (ORIGINAL) The method according to claim 12, wherein said detecting when said zero masters are able to use said bus is detecting when none of said at least one master is requesting said bus mastership.

17. (ORIGINAL) The method according to claim 11, wherein said at least one master is a plurality of masters, the method further comprising the steps of:

presenting a master signal identifying said first master  
5 of said plurality of masters;

multiplexing a plurality of said at least one transfer signals received from said plurality of masters in response to said master signal; and

presenting said first transfer signal to said bus in  
10 response to multiplexing said plurality of said transfer signals.

18. (ORIGINAL) The method according to claim 17, further comprising the steps of:

presenting a control signal; and

presenting one of said first transfer signal and said  
5 idle transfer signal to said bus in response to said control signal.

19. (ORIGINAL) The method according to claim 17, further comprising the steps of:

multiplexing said plurality of said at least one transfer signals in response to said master signal;

5 presenting said first signal in response to multiplexing said plurality of said at least one transfer signals;

generating said idle transfer signal; and

presenting one of said idle transfer signal and said  
first transfer signal to said bus in response to said control  
10 signal.

20. (CURRENTLY AMENDED) A system comprising:

means for granting a bus mastership to a first master of  
at least one master;

means for presenting a first transfer signal of at least  
5 one transfer signal ~~from~~ generated by said first master to said bus  
in response to granting said bus mastership to said first master,  
wherein said first transfer signal is different than an idle  
transfer signal;

means for removing said bus mastership from all masters  
10 of said at least one master; and

means for presenting ~~an~~ said idle transfer signal to said  
bus in response to removing said bus mastership from said all  
masters.

IN THE DRAWINGS

A set of formal replacement drawings is enclosed per the Examiner's request. No changes have been made in the formal drawings as compared with the originally filed drawings. As such, no new matter has been introduced.